

## PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: )  
 Stephen H. Brown et al. )  
 Serial No. 09/429,295 )  
 Filed: October 28, 1999 )  
 For: CONVERSION OF UNSATURATED )  
 CHEMICALS TO OLIGOMERS )

Examiner: Nadine Preisich

Group Art Unit: 1764

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## RESPONSE UNDER 37 CFR 1.111

Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action mailed January 24, 2002, please enter the  
amendments below and consider the following remarks.

IN THE CLAIMS:

Please amend claims 1, 19 and 20 as follows:

1. (Thrice Amended) An oligomerization process comprising contacting a hydrocarbon feedstock comprising sulfur-containing molecules with a hydrotreating catalyst in the absence of hydrogen at a temperature ranging from about 392°F to about 600°F, wherein said hydrocarbon feedstock is selected from the group consisting of C<sub>4</sub> olefin streams, C<sub>5</sub> olefin streams, C<sub>4</sub> and C<sub>5</sub> olefin streams, pygas streams, coker streams, light FCC gasoline, C<sub>7+</sub> reformate streams, light reformate streams containing benzene and toluene, pulp and paper byproducts, sugars, natural fatty acids and alcohols.

19. (Amended) The process according to Claim 3, wherein said hydrocarbon feedstock is selected from the group consisting of light FCC gasoline, C<sub>7+</sub> reformate streams and light reformate streams containing benzene and toluene.